

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED / ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER

P67686US0

US APPLICATION NO. (If known, see 37 CFR 1.5)

10/070422

INTERNATIONAL APPLICATION NO.

PCT/DK00/00478

INTERNATIONAL FILING DATE

1 September 2000

PRIORITY DATE CLAIMED

17 September 1999

TITLE OF INVENTION

A COLLECTING BAG HAVING AN ACCOMMODATING MEANS FOR A CLOSURE DEVICE

APPLICANT(S) FOR DO/EO/US

Danuta CIOK and Martin VON BÜLOW

**Applicant herein submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information.**

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☒ A proper Demand for Internatl. Preliminary Examination was made by the 19th month from earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☒ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☒ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☒ A translation of the annexes to the Internatl. Preliminary Examination report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11. to 16. below concern other document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.  
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information:

International Search Report – EPO

PCT Request Form

PCT/IB/304 Form

PCT/IB/308 Form

First Page of Publication

International Preliminary Examination Report – No Annexes

US APPLICATION NO. (If known, see 37 CFR 1.5)

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INTERNATIONAL APPLICATION NO.

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P67686US0

17. ☒ The following fees are submitted:**Basic National Fee (37 CFR 1.492(a)(1)-(5)):**

Internatl. prelim. examination fee paid to USPTO (37 CFR 1.492 (a) (1)) .. \$710.00

No international preliminary examination fee paid to USPTO (37 CFR 1.492 (a) (2)) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) .. \$740.00

Neither international preliminary examination fee (37 CFR 1.492 (a) (3)) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO) ..... \$1040.00

International preliminary examination fee paid to USPTO (37 CFR 1.492 (a) (4)) and all claims satisfied provisions of PCT Article 33(2)-(4) ..... \$100.00

Search Report prepared by the EPO or JPO (37 CFR 1.492 (a) (5)) ..... \$890.00

**ENTER APPROPRIATE BASIC FEE AMOUNT =**

CALCULATIONS

PTO USE ONLY

\$ 890.00

Surcharge of \$130.00 for furnishing the oath or declaration later than

☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492(e)).

\$

**Claims****Number Filed****Number Extra****Rate**

Total Claims

6 - 20 =

-0-

x \$18.00

\$

Independent Claims

1 - 3 =

-0-

x \$84.00

\$

Multiple Dependent Claim(s) (if applicable)

+ \$280.00

\$

**TOTAL OF ABOVE CALCULATIONS =**

\$ 890.00

Reduction by 1/2 for filing by **small entity**, if applicable. Verified Small Entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).

\$

**SUBTOTAL =**

\$ 890.00

Processing fee of \$130 for furnishing the **English translation** later than☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492(f))

\$

**TOTAL NATIONAL FEE =**

\$ 890.00

Fee of \$40.00 for recording the enclosed **assignment** (37 CFR 1.21(h)).

Assignment must be accompanied by appropriate cover sheet (37 CFR 3.28, 3.31).

\$ 40.00

**TOTAL FEES ENCLOSED =**

\$ 930.00

Amt. to be refunded: \$

Amt. charged: \$

a. ☒ A check in the amount of \$ 930.00 to cover the above fees is enclosed.b. ☐ Please charge my Deposit Account No. 06-1358 in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.c. ☒ The Commissioner is hereby authorized to charge my account any additional fees set forth in §1.492 during the pendency of this application, or credit any overpayment to Deposit Account No. 06-1358. A duplicate copy of this sheet is enclosed.

SEND ALL CORRESPONDENCE TO:

**JACOBSON HOLMAN PLLC**

400 7th Street, N.W., Suite 600

Washington, DC 20004

202-638-6666

**CUSTOMER NUMBER: 00136**By Harvey B. Jacobson, Jr.  
Harvey B. Jacobson, Jr.  
Reg. No. 20,851

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Danuta CIOK et al

Serial No.: New

Filing Date: March 18, 2002

For: A COLLECTING BAG HAVING AN ACCOMMODATING  
MEANS FOR A CLOSURE DEVICE

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

Prior to initial examination, please amend the above-  
identified application as follows:

IN THE SPECIFICATION

Please insert the following sentence on line 1, immediately  
following the title:

--This is a nationalization of PCT/DK00/00478, filed September  
1, 2000 and published in English.--

IN THE CLAIMS

Please amend claims 4 and 6 as follows:

4. (amended) A collecting bag according to claim 1, characterized in that said accommodating means comprises a retaining means for holding the closure means in said open receptacle in the position of use of the bag.

6. (amended) A collecting bag according to claim 1, characterized in that said basis portion has cross-sectional dimensions corresponding to the dimensions of the closure device.

REMARKS

The foregoing Preliminary Amendment is requested in order to delete the multiple dependent claims and avoid paying the multiple dependent claims fee.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

Early action on the merits is respectfully requested.

Respectfully submitted,

JACOBSON HOLMAN PLLC

By Harvey B. Jacobson, Jr.  
Harvey B. Jacobson, Jr.  
Reg. No. 20,851

400 Seventh Street, N.W.  
Washington, D.C. 20004-2201  
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Atty. Docket: P67686US0  
Date: March 18, 2002  
HBJ:jrc

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS

4. (amended) A collecting bag according to claim 1 ~~any of claims 1 to 3~~, characterized in that said accommodating means ~~(8)~~ comprises a retaining means ~~(10)~~ for holding the closure means ~~(7)~~ in said open receptacle in the position of use of the bag.
6. (amended) A collecting bag according to claim 1 ~~any of claims 1 to 5~~, characterized in that said basis portion ~~(9)~~ has cross-sectional dimensions corresponding to the dimensions of the closure device ~~(7)~~.

u/pst

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A collecting bag having an accommodating means for a closure device.

5 The present invention relates to a collecting bag for human body wastes comprising a bag member formed by two film blanks with joined edges defining the outer contours of the bag member, an inlet opening provided in one of said film blanks, connecting elements  
10 surrounding said inlet opening for connection of the bag to a body orifice, a discharge portion at a distance from the inlet opening comprising a discharge opening, a closure device at the discharge portion for bringing the bag from a discharge position, in which  
15 the bag is open, to a position of use, in which the bag is closed, and accommodating means for accommodating said closure device in the position of use of the bag.

In such collecting bags the discharge portion is normally temporarily attached to the bag member in the  
20 position of use of the bag in order to attain a compact appearance in this position and to prevent the discharge portion and the closure device from dangling which might be uncomfortable to the user. In bags having an elongated, substantially flat discharge  
25 portion, this portion is folded or rolled up in the direction of the bag member, partly in order to close the bag and partly to attain said compact appearance and the attachment to the bag member.

WO96/19164 discloses a collecting bag of this kind  
30 in which the discharge portion is rolled up on a clip fastened to one of the film blanks.

GB patent applications Nos. 2 268 065 and 2 000 683 disclose collecting bags, in which strips of the interlocking-elements type, such as Velcro, are placed  
35 on each of the film blanks of the discharge portion and

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which after rolling or folding the discharge portion tightly are brought into contact with each other.

In EP patent application No. 13 109 the folded discharge portion is tucked into a gap provided between  
5 a strip fixed to one wall of the bag and the wall itself.

In all of the above documents it is a prerequisite that the discharge portion is substantially flat. In collecting bags having a closure device of some extent,  
10 eg. a valve or a clamp, these solutions may not be applied.

US patent No. 2,520,831 discloses a collecting bag in which the folded discharge portion, which is closed by means of a clamp, is accommodated in a pouch  
15 provided at the proximal end of the discharge portion in the position of use of the bag, in which the pouch is closed by means of a zipper-like slide fastener. Due to the structure of the elements of the closure device, opening and closing of the bag require some dexterity,  
20 eg. the discharge portion has to be held manually within the pouch when activating the slide fastener and has to be withdrawn from the pouch in order to empty the bag. In addition, the use of a slide fastener renders the manufacture of the collecting bag expensive  
25 and cumbersome.

US patent No. 4,519,797 discloses a cover for an ostomy pouch having a drain fitting at the bottom of the pouch. The cover has an opening allowing the pouch to be mounted in the usual manner on the plate worn by  
30 the patient. The cover has an integral pocket which receives the drain fitting to prevent irritation to the sensitive portions of the anatomy.

This solution, however, while preventing the drain fitting from directly contacting sensitive portions of  
35 the anatomy, contributes to the bulkiness of the pouch,

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thereby compromising the demand for discretion.

US patent No. 4,449,971 discloses a collecting bag of the initially stated kind, in which the accommodating means in the form of a pocket having an entrance slit is formed on an extension of the bag member. Similar arrangements are shown in e.g. US patents Nos 3,865,165 and 4,306,029.

The object of the present invention is to improve a collecting bag of the kind mentioned in the introduction with respect to ease of operation and manufacturing conditions and which furthermore may be used regardless of the type of closure device, at the same time improving both the comfort and the discretion.

For achieving this, a collecting bag according to the invention is characterized in that said accommodating means comprises at least one open receptacle formed in said bag member within said outer contours and has a basis portion in which said film blanks are undetachably connected to each other, and that the periphery of the basis portion is situated at a distance from the joined edges of the bag member and the discharge portion.

By the provision of an accommodating means in the form of an open receptacle having a basis portion, it is very simple to place the closure device in the accommodating means. The position of the basis portion entails that the outer contours of the bag member are not affected by the accommodating means, and at the same time, a free passage is provided from the bag member to the discharge portion. The undetachable connection between the film blanks makes it possible to lodge the closure device in its entirety in the accommodating means so that it does not protrude outside the arched planes formed by the film blanks

when the bag is expanded by the contents. Furthermore, the accommodating means may be formed in an easy and inexpensive manner thus reducing the manufacturing and material costs.

5 In the following the invention will be described in further detail with reference to the schematic drawings, in which the bag is shown in the shape it will assume when at least partly filled and

Fig. 1 shows a side view of a collecting bag  
10 according to the invention in a discharge position;

Fig. 2 shows a plan view of the collecting bag shown in Fig. 1;

Fig. 3 shows a plan view of the collecting bag in a position of use;

15 Fig. 4 shows a cross-sectional view of the collecting bag along the line IV-IV in Fig. 3;

Fig. 5 shows a side view of the collecting bag in the position shown in Fig. 3; and

Fig. 6 shows a longitudinal section of the  
20 collecting bag along the line VI-VI in Fig. 3.

The collecting bag shown in the drawings comprises a bag member 1 formed by two film blanks 2,3 which are joined along their edges by means of a seam 4 made by welding or in any other convenient manner and defining  
25 the outer contours of the bag member. The film blanks may be made from any suitable flexible plastic sheet or foil material.

In the film blank 3 which in use is intended to face the user and thus forms the back wall of the bag,  
30 an inlet opening, not shown, is provided which in a manner known *per se* is surrounded by connecting elements 5 for connection of the bag to a body orifice in the form of a so-called stoma in the user's abdominal wall.

35 At a distance from the inlet opening and the

5 In order to bring the bag from the open or  
discharge position shown in Figs. 1 and 2 to a position  
of use, in which the bag is closed, the collecting bag  
comprises a closure device 7 which in the embodiment  
shown is designed as a valve but which as well be  
10 designed in any other way.

It is of course conceivable, although not  
30 preferred, to place the closure device in the  
corresponding receptacle formed at the back of the bag  
member.

In order to improve the securing of the closure device 7 in the open receptacle formed by the basis 35 portion 9 and the portions 2a of front film blank 2

surrounding the basis portion 9, the accommodating means may further comprise a retaining means, which in the embodiment shown is provided in the shape of a strip 10 which in one end is undetachably connected to the bag member and in the other end has an engagement section for releasable engagement with a corresponding section on the bag member. The engagement sections may comprise interlocking elements, eg. of the Velcro type. The strip 10 may also be undetachably secured in a middle section and have foldable ends with corresponding engagement sections, said foldable ends having lengths enabling them to reach around the closure device 7 for engagement or it may be provided separately and comprise an engagement section in each end.

Other types of retaining means may be conceivable, eg. it is possible to provide the closure device itself with an engagement section for releasable engagement with a corresponding section in the basis portion.

The periphery 9a of the basis portion 9 is situated at a distance from the joined edges of the bag member, ie. the seam 4, and the discharge portion 6 in order to permit the contents of the bag to flow out of the discharge portion 6 and the discharge opening during emptying of the bag. It is of course possible to place the accommodating means in the vicinity of one of the edges as long as there is still a free passage between the bag member and the discharge portion.

The basis portion 9 of the accommodating means has cross-sectional dimensions corresponding to the dimensions of the closure device 7. By this design, a safe retention of the closure device in the accommodating means 8 is obtained and at the same time the volume available for body wastes in the remaining part of the bag is reduced as little as possible.

The invention should not be regarded as being limited to the embodiment described in the above but various modifications may be carried out without departing from the scope of the following claims.

- 5 For example, although the invention has been described only with reference to one kind of closure device, viz. a valve, it is of course possible to apply it to other forms of closure devices comprising eg. clamps or adhesive connections.

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## P A T E N T   C L A I M S

1. A collecting bag for human body wastes comprising:

a bag member (1) formed by two film blanks (2,3)  
5 with joined edges defining the outer contours of the bag member,

an inlet opening provided in one of said film blanks (3),

connecting elements (5) surrounding said inlet  
10 opening for connection of the bag to a body orifice,

a discharge portion (6) at a distance from the inlet opening comprising a discharge opening,

a closure device (7) at the discharge portion (6) for bringing the bag from a discharge position, in  
15 which the bag is open, to a position of use, in which the bag is closed, and

accommodating means (8) for accommodating said closure device (7) in the position of use of the bag,

c h a r a c t e r i z e d   i n   t h a t

20     said accommodating means (8) comprises at least one open receptacle formed in said bag member (1) within said outer contours and has a basis portion (9) in which said film blanks (2,3) are undetachably connected to each other, and that the periphery (9a) of  
25 the basis portion (9) is situated at a distance from the joined edges (4) of the bag member (1) and the discharge portion (6).

2. A collecting bag according to claim 1, c h a r a c t e r i z e d   i n   t h a t said film blanks  
30 (2,3) are connected to each other by means of a heat-sealed joint extending along the periphery (9a) of the basis portion (9).

3. A collecting bag according to claim 1, c h a r a c t e r i z e d   i n   t h a t said film blanks  
35 (2,3) are connected to each other by gluing.

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4. A collecting bag according to any of claims 1 to 3, c h a r a c t e r i z e d in that said accommodating means (8) comprises a retaining means (10) for holding the closure means (7) in said open 5 receptacle in the position of use of the bag.

5. A collecting bag according to claim 4, c h a r a c t e r i z e d in that said retaining means comprises a strip (10) having at least one engagement section for releasable engagement with a corresponding 10 section or corresponding sections on said bag member (1) or on the opposite end of said retaining means.

6. A collecting bag according to any claims 1 to 5, c h a r a c t e r i z e d in that said basis portion (9) has cross-sectional dimensions 15 corresponding to the dimensions of the closure device (7).

20070423-011800

**Abstract**

The collecting bag comprises a bag member (1) formed by two film blanks (2, 3) with joined edges, and a discharge portion (6) comprising a discharge opening. A closure device (7) at the discharge portion (6) for bringing the bag from a discharge position, in which the bag is open, to a position of use, in which the bag is closed, is accommodated in accommodating means (8) in the position of use of the bag. The accommodating means (8) comprises at least one open receptacle formed in said bag member (1) and has a basis portion (9) in which said film blanks (2, 3) are undetachably connected to each other. The accommodating means may comprise a retaining element in the form of a strip (10) having at least one engagement section for releasable engagement with a corresponding section or corresponding sections on said bag member (1) or on the opposite end of said retaining element.



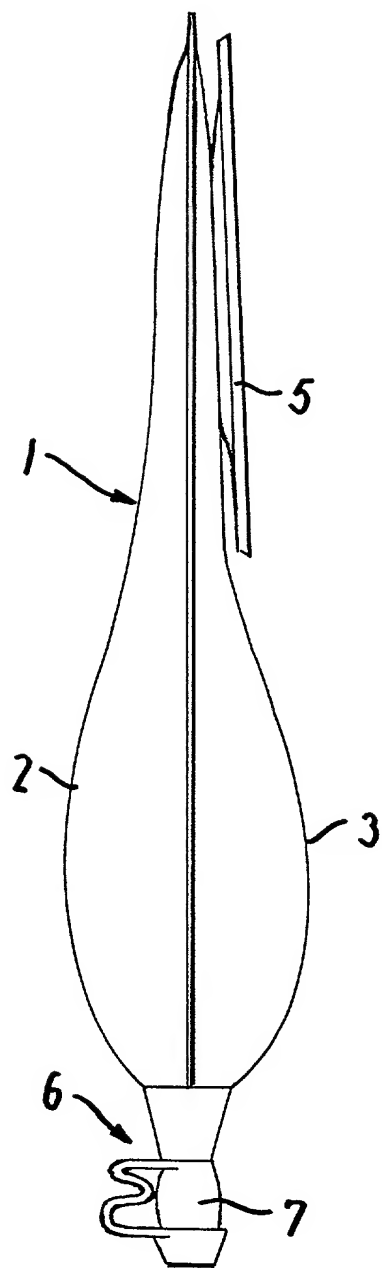


FIG.1



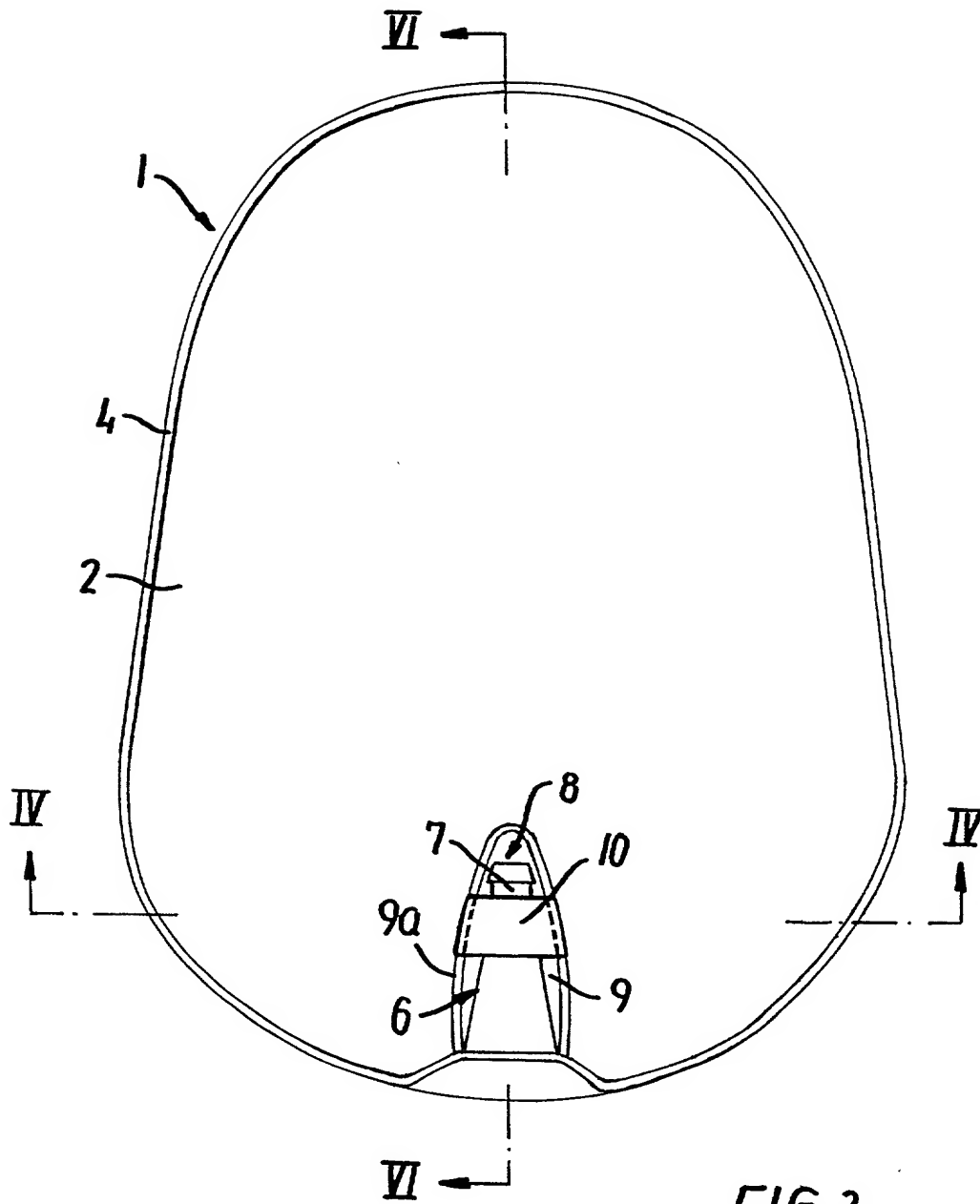


FIG. 3

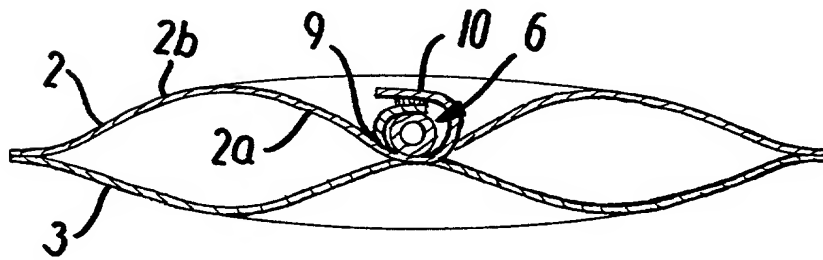


FIG. 4

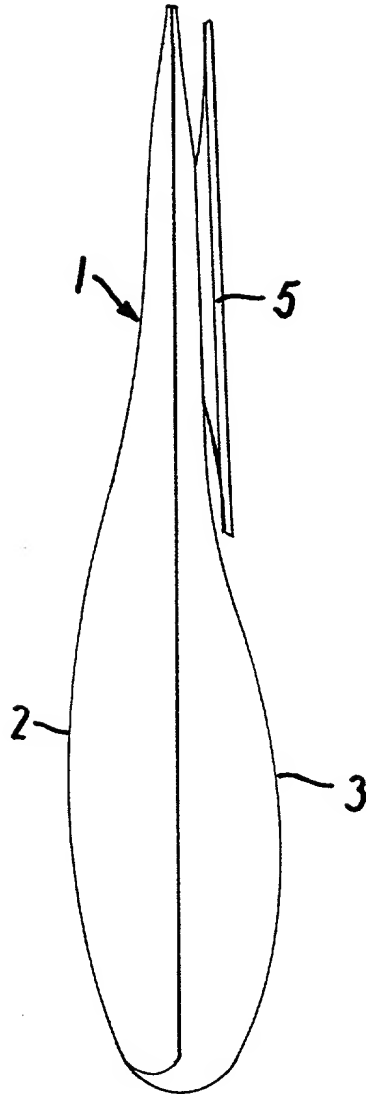


FIG. 5

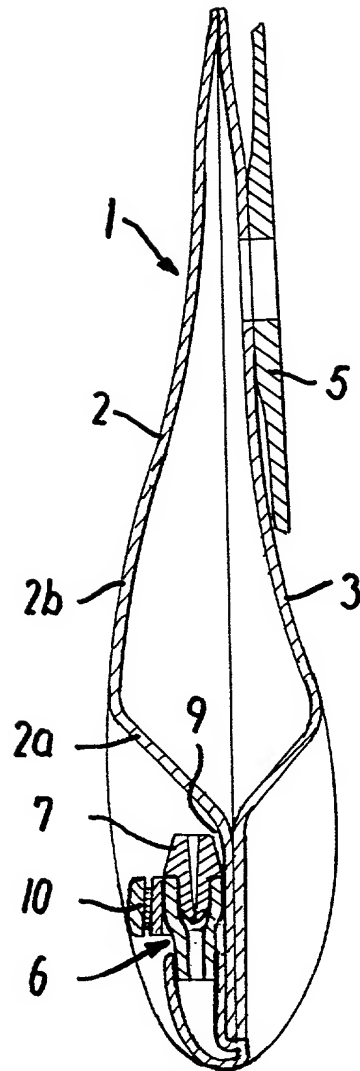


FIG. 6

# DECLARATION AND POWER OF ATTORNEY U.S.A.

ALL PATENTS, INCLUDING DESIGN  
FOR APPLICATION BASED ON PCT; PARIS CONVENTION;  
NON PRIORITY; OR PROVISIONAL APPLICATIONS

FOR ATTORNEYS' USE ONLY

ATTORNEYS' DOCKET NO.

As a below named inventor, I declare that my residence, post office address and citizenship are stated below next to my name, the information given herein is true, that I believe that I am the original, first and sole inventor (if only one name is listed at 201 below), or an original, first and joint inventor (if plural inventors are named below at 201-203, or on additional sheets attached hereto) of the subject matter which is claimed and for which patent is sought on the invention entitled:

**A COLLECTING BAG HAVING AN ACCOMMODATING MEANS FOR A CLOSURE DEVICE**

which is described and claimed in: ☒ PCT International Application No. PCT/DK00/00478 filed 01 September 2000  
☐ the attached specification ☐ the specification in application Serial No. \_\_\_\_\_ filed \_\_\_\_\_  
(if applicable) and amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

PA 1999 01319 Denmark 17.09.1999  
(Number) (Country) (Day/Month/Year Filed)

Priority Claimed

☒ Yes ☐ No

(Number) (Country) (Day/Month/Year Filed)

☐ Yes ☐ No

(Number) (Country) (Day/Month/Year Filed)

☐ Yes ☐ No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Application No. \_\_\_\_\_ Filing Date \_\_\_\_\_ Application No. \_\_\_\_\_ Filing Date \_\_\_\_\_

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)

(Filing Date)

(Status: patented, pending, abandoned)

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorneys (Registration No. ) to prosecute this application, receive and act on instructions from my agent, and transact all business in the Patent and Trademark Office connected therewith. HARVEY B. JACOBSON, JR. (20,851); D. DOUGLAS PRICE (24,514); JOHN CLARKE HOLMAN (22,769); MARVIN R. STERN (20,640); ALLEN S. MELSER (27,215); MICHAEL R. SLOBASKY (26,421); JONATHAN L. SCHERER (29,851); IRWIN M. AISENBERG (19,007); WILLIAM E. PLAYER (31,409); YOON S. HAM (45,307) and NATHANIEL A. HUMPHRIES (22,772)

SEND CORRESPONDENCE TO: CUSTOMER NO. 00136

or

**JACOBSON, PRICE, HOLMAN & STERN**  
PROFESSIONAL LIMITED LIABILITY COMPANY  
400 SEVENTH STREET, N.W.  
WASHINGTON, D.C. 20004

DIRECT TELEPHONE CALLS TO:

(please use Attorney's Docket No.) (202) 638-6666

**JACOBSON, PRICE, HOLMAN & STERN**  
PROFESSIONAL LIMITED LIABILITY COMPANY

Inventor(s) name must include at least one unabbreviated first or middle name.

201	FULL NAME * OF INVENTOR	FAMILY NAME <u>LOK</u>	GIVEN NAME <u>Danuta</u>	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY <u>Nivå</u>	STATE OR FOREIGN COUNTRY <u>Denmark</u>	COUNTRY OF CITIZENSHIP <u>Poland</u> <b>DKX</b>
	POST OFFICE ADDRESS	POST OFFICE ADDRESS <u>Violens Kvarter 8</u>	CITY <u>NIVÅ</u>	STATE OR COUNTRY <u>Denmark</u> ZIP CODE <u>DK-2990</u>
202	FULL NAME * OF INVENTOR	FAMILY NAME <u>VON BULOW</u>	GIVEN NAME <u>Martin</u>	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY <u>HELSINGØR</u>	STATE OR FOREIGN COUNTRY <u>Denmark</u>	COUNTRY OF CITIZENSHIP <u>Denmark</u> <b>DKX</b>
	POST OFFICE ADDRESS	POST OFFICE ADDRESS <u>Nordre Strandvej 69</u>	CITY <u>HELSINGØR</u>	STATE OR COUNTRY <u>Denmark</u> ZIP CODE <u>DK-3000</u>
203	FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY ZIP CODE

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under section 1001 of Title 18 of the United States Code; and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201*	SIGNATURE OF INVENTOR 202*	SIGNATURE OF INVENTOR 203*
<u>Danuta Gok</u>	<u>Martin v Bulow</u>	
DATE <u>13.02.2002</u>	DATE <u>17.02.2002</u>	DATE

☐ Additional inventors are named on separately numbered sheets attached hereto.

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